| Index of Claims |  |
|-----------------|--|
|                 |  |

Rejected

Allowed

| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 10/700,508      | ARAI ET AL.  |  |
| Examiner        | Art Unit     |  |
| Examiner        | Art Unit     |  |

2818

Gene N Auduong

- (Through numeral)
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| V | Non-Elected  | Α | Appeal   |
|---|--------------|---|----------|
| I | Interference | 0 | Objected |

| Cla      | aim      | Date       |                    |          |          |                | Date Claim Date |                |          |          |          |          |                                                  |    |          | Claim Date |          |          |         |   |                |            |                 |          |           |          |           |          |                |
|----------|----------|------------|--------------------|----------|----------|----------------|-----------------|----------------|----------|----------|----------|----------|--------------------------------------------------|----|----------|------------|----------|----------|---------|---|----------------|------------|-----------------|----------|-----------|----------|-----------|----------|----------------|
|          |          | Г          | П                  |          |          | <u> </u>       |                 |                |          | 7        |          |          | П                                                | Т  | ΠĪ       | T          |          | Т        | $\top$  | 1 |                |            |                 |          |           | Ť        | T         |          | T              |
| <u></u>  | la l     | 8          |                    |          |          |                |                 |                |          |          | a        | na       |                                                  |    |          |            |          |          |         |   | <u></u>        | ina        |                 |          |           |          |           |          |                |
| Final    | Original | 7/1/04     |                    | ļ        |          |                |                 |                |          | 1        | Final    | Original |                                                  |    |          |            |          |          |         |   | Final          | Original   |                 |          |           |          |           |          |                |
| _        | 0        | ~          |                    | - 1      |          |                |                 |                |          |          | -        | 0        |                                                  |    | 1        |            |          |          |         |   | -              | 0          |                 |          | ]         | İ        |           |          |                |
| -        | 1        | =          | Н                  | $\dashv$ |          | ┢              | $\vdash$        | Н              | $\dashv$ | _        |          | 51       |                                                  | +  |          | _          | +        | +        | +       |   |                | 101        | -               | $\neg$   | _         | _        | $\dashv$  | _        |                |
| -        | 2        | =          |                    | $\dashv$ |          | _              | $\vdash$        |                | $\vdash$ | $\dashv$ |          | 52       | _                                                |    | $\vdash$ |            | -        | -        |         | 1 |                | 102        | $\neg$          | -        | 一         | 7        | $\neg$    |          | $\dashv$       |
| -        | 3        | =          | $\vdash$           | $\dashv$ |          | -              |                 | _              | $\vdash$ | ⊣        |          | 53       |                                                  | +  | H        | _          | $\dashv$ | $\dashv$ |         | 1 |                | 103        |                 |          | $\dashv$  | $\dashv$ | $\dashv$  | $\neg$   | $\dashv$       |
| $\vdash$ | 4        | =          | $\vdash$           | $\dashv$ | _        | ┢              |                 | -              | -        | -        |          | 54       |                                                  | ╁  |          | _          | $\dashv$ | +        | +-      | 1 |                | 104        |                 | _        | $\exists$ | $\dashv$ | $\dashv$  | _        | +              |
| -        | 5        | =          | H                  | $\dashv$ |          | -              |                 | -              | 2        | $\dashv$ |          | 55       |                                                  | +- |          |            | 十        | +        |         | 1 |                | 105        |                 | _        | $\dashv$  | $\dashv$ | $\dashv$  |          | $\top$         |
| $\vdash$ | 6        | =          | $\vdash$           | $\dashv$ |          | ┝╌             | -               | _              | -        | $\dashv$ | <b>-</b> | 56       | $\vdash$                                         | +  | $\vdash$ | _          | $\dashv$ | ╅        |         | 1 |                | 106        | $\neg$          | _        | $\dashv$  | ┪        | $\dashv$  | _        | +              |
| $\vdash$ | 7        | =          | $\vdash$           | $\dashv$ |          | -              | $\vdash$        |                | -        | $\dashv$ |          | 57       |                                                  | +  | $\vdash$ | _          | -        | 十        |         |   | $\vdash$       | 107        | $\neg$          | $\dashv$ | $\dashv$  | 7        | $\dashv$  | -        | -              |
| $\vdash$ | 8        | =          | H                  | -        |          | <u> </u>       | ┢               | -              | -        | $\dashv$ |          | 58       | $\vdash$                                         | +  | H        | $\dashv$   | -        | -        |         |   |                | 108        |                 | 一        | 一         | $\dashv$ | ┪         | _        | $\dashv$       |
| $\vdash$ | 9        | =          | $\vdash$           | $\dashv$ |          |                | -               | -              | -        | $\dashv$ |          | 59       | -                                                | +  | $\vdash$ | +          | +        | ╁        |         | 1 |                | 109        | $\dashv$        | _        | _         | _        | $\dashv$  | <b>-</b> | $\dashv$       |
| $\vdash$ | 10       | =          | $\vdash$           | $\dashv$ | _        | ┝              | ╁               | -              | -        | $\dashv$ | -        | 60       | +                                                | +  | $\vdash$ | +          | $\dashv$ | -        |         | 1 |                | 110        | -               | -1       | $\dashv$  | +        | $\dashv$  |          | +              |
| -        | 11       | =          | $\vdash$           | $\dashv$ |          | -              | $\vdash$        | $\vdash$       | $\dashv$ | {        | -        | 61       |                                                  | +- | $\vdash$ | $\dashv$   | -        | +        |         | 1 |                | 111        |                 | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | +              |
| -        | 12       | =          | $\vdash$           | -        |          | -              | $\vdash$        | $\vdash$       | -        | -        |          | 62       |                                                  | +- | +        | $\dashv$   | $\dashv$ | +        | +       | 1 |                | 112        | -               | -+       |           | $\dashv$ |           | -        | +              |
| $\vdash$ | 13       | =          | $\vdash \vdash$    |          |          | <del> </del>   | -               |                | -        | $\dashv$ | $\vdash$ | 63       | $\vdash\vdash$                                   | +- | +        |            | +        | +        |         | 1 | <del>  </del>  | 113        |                 | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | 十              |
| -        | 14       | =          | ┝                  | $\dashv$ | _        | $\vdash$       | $\vdash$        | $\vdash$       | -        | $\dashv$ | -        | 64       | $\vdash$                                         | +  | $\vdash$ | $\dashv$   | +        | +        | +       | 1 | <del>  </del>  | 114        |                 |          | $\dashv$  | -        | $\dashv$  |          | +              |
| -        | 15       | =          |                    | $\dashv$ |          | $\vdash$       | 1               | $\vdash$       | $\vdash$ | $\dashv$ |          | 65       | <del>-  -</del>                                  | +- | $\vdash$ | $\dashv$   | $\dashv$ | +        |         | 1 |                | 115        | -               | $\dashv$ |           | $\dashv$ | $\dashv$  | $\dashv$ | +              |
|          |          | =          | $\vdash$           |          | -        | -              | $\vdash$        | $\vdash$       | $\vdash$ | $\dashv$ |          | 66       | $\vdash$                                         | +  | $\vdash$ | $\dashv$   | +        | +        | +       | { | $\vdash$       | 116        | -               |          |           | $\dashv$ |           | -        | +              |
| -        | 16       |            |                    |          | _        |                | <del> </del>    | H              |          | $\dashv$ | $\vdash$ | 67       | <del></del>                                      | +- | $\vdash$ |            | +        | +        | +       | 1 | $\vdash\vdash$ | 117        | -               | -        | -         |          |           |          | <del>- -</del> |
| <u> </u> | 17       | =          | $\vdash$           |          |          | -              | ├-              | $\vdash$       | -        | $\dashv$ | -        |          |                                                  | +- | $\vdash$ | $\dashv$   | +        | +        | +       | 1 | $\vdash$       | 117        |                 | $\dashv$ |           |          |           |          | +              |
|          | 18       | =          | $\vdash$           |          | _        | <u> </u>       |                 |                |          |          | -        | 68       |                                                  |    | -        |            | $\dashv$ | +        |         | ┨ | $\vdash$       | 119        |                 |          |           |          |           |          |                |
| -        | 19       | =          | Н                  | -        |          | ├-             |                 | _              |          | -        | -        | 69       | $\vdash$                                         |    |          |            | $\dashv$ | +        |         | ┨ |                | 120        | -               | -        | $\dashv$  | -        |           | -        |                |
|          | 20       | _          |                    |          |          | ⊢              | ├—              | ⊢              |          | $\dashv$ | $\vdash$ | 70       | $\vdash$                                         | +  | -        |            | -        | -        |         | ┨ |                |            |                 | $\dashv$ | $\dashv$  | -        |           | $\dashv$ |                |
|          | 21       | =          | $\left  - \right $ | -        | _        | <del> </del>   | ┢               | _              |          | $\dashv$ |          | 71       | $\vdash$                                         | +  | Н        | -          | $\dashv$ | +        |         | ┨ | <u> </u>       | 121<br>122 |                 | -        | $\dashv$  |          | $\dashv$  | -        | +              |
|          | 22       | =          |                    | -        |          | -              | ⊢               |                | $\vdash$ | -1       | -        | 72       |                                                  |    |          |            |          | +        |         | ┨ |                | 123        |                 | {        |           |          | $\dashv$  | -        | +              |
| -        | 23       | =          |                    |          |          | <u> </u>       | <u> </u>        |                | $\vdash$ | $\dashv$ |          | 73       |                                                  | +  | -        |            | +        | +        | +       | ┨ | $\vdash$       |            |                 |          |           | $\dashv$ | -         | $\dashv$ | $\dashv$       |
| -        | 24       | =          | -                  |          |          | -              | ┢               |                | -        |          | -        | 74       |                                                  |    |          | -          | -+       | +        | +       | ł | <u> </u>       | 124        | -               |          | -         |          | -         | -        | +              |
| -        | 25       | =          | $\vdash$           |          |          | <del> </del>   | ├               | _              | $\vdash$ | $\dashv$ | $\vdash$ | 75       |                                                  |    |          | $\dashv$   |          | +        | +       | ┨ | <u> </u>       | 125        | _               |          |           |          |           | $\dashv$ | +              |
| <u> </u> | 26       | =          | -                  | _        | _        | _              | ┝┈              | _              | -        | -        | <u> </u> | 76       |                                                  | -  | -        |            |          | +        | +       | ┨ |                | 126        |                 |          | -         |          |           |          | +              |
|          | 27       | <u>  =</u> |                    | _        |          | <u> </u>       |                 | _              |          | _        | -        | 77       |                                                  |    | -        | ᅫ          | -        | +        | -       | ┨ |                | 127        |                 |          |           |          | $\dashv$  | $\dashv$ | +              |
|          | 28       | =          |                    | _        |          | <u> </u>       | _               | L              | $\vdash$ | _        | <u> </u> | 78       |                                                  |    | -        |            | $\dashv$ | +        | +       | ł |                | 128        |                 |          |           |          |           | -        | $\dashv$       |
| <u> </u> | 29       | =          | -                  |          |          | <b> </b>       | $\vdash$        | $\vdash$       | $\vdash$ | $\dashv$ | -        | 79       |                                                  | -  | Н        | _          | $\dashv$ | +        | +       | { | <u> </u>       | 129        |                 |          |           |          | _         | -        | +              |
|          | 30       | =          | $\sqcup$           | _        |          | $\vdash$       | <u> </u>        | $\vdash$       | $\vdash$ |          | -        | 80       |                                                  | +  | $\vdash$ |            | +        | +        | - -     | { | <u> </u>       | 130        |                 |          | -         |          | -         | $\dashv$ | +              |
|          | 31       | =          | $\vdash \vdash$    | _        | _        | $\vdash$       | ⊢               |                | -        |          | -        | 81       |                                                  | +  | Н        |            | $\dashv$ | -        | - -     | 1 |                | 131        |                 | _        | -         |          |           | -        | +              |
|          | 32       | =          | $\vdash$           |          | _        | <u> </u>       | <del> </del>    | <del> </del>   |          | _        | -        | 82       | $\vdash$                                         | -  | $\vdash$ |            |          | -        |         | 1 |                | 132        |                 | _        | _         |          |           | -        |                |
|          | 33       |            | $\square$          | _        |          | ├_             | <u> </u>        | _              |          | _        | <u> </u> | 83       |                                                  | -  |          |            | -        | -        |         | ┨ |                | 133        | $\dashv$        |          | -         |          |           | -        | -              |
|          | 34       | <u> </u>   | -                  |          |          | ├              | ├               |                |          | _        | <u> </u> | 84       |                                                  | -  | <b>├</b> |            | $\dashv$ |          |         | - |                | 134        |                 |          |           |          |           |          | +              |
|          | 35       | <u> </u>   | $\square$          |          |          | -              |                 |                | $\vdash$ | _        |          | 85       | -                                                | +- | $\vdash$ |            |          | $\perp$  | +       | - | <u> </u>       | 135        | $\Box$          |          | $\dashv$  |          |           | $\dashv$ | +              |
|          | 36       | <u> </u>   | $\vdash \vdash$    | _        |          | <del> </del> — | <u> </u>        |                | $\vdash$ | _        | <u> </u> | 86       |                                                  |    | $\vdash$ |            | $\dashv$ | +        | +       | { | <u> </u>       | 136        | $\vdash$        |          |           |          |           |          | +              |
|          | 37       | <u> </u>   | $\mid \perp \mid$  | _        |          | <b> </b>       | <u> </u>        |                | -        | _        | <u> </u> | 87       |                                                  |    | $\vdash$ |            |          | -        |         | - |                | 137        | -               | $\dashv$ |           |          |           |          | -+             |
| <u> </u> | 38       | <u> </u>   | $\sqcup$           | _        |          | <del> </del>   | <u> </u>        |                |          | _        | <u> </u> | 88       | $\vdash$                                         |    |          |            | -        | -        |         | - |                | 138        | $\square$       | $\dashv$ |           | -        |           |          | -              |
| <u></u>  | 39       | _          | $\mid \perp \mid$  | _        | _        | <u> </u>       | <u> </u>        | <u> </u>       |          | _        | $\vdash$ | 89       | $\vdash$                                         | 1  | ⊢        |            | -        |          |         | - |                | 139        | $\vdash \vdash$ |          |           | _        | <b></b> ∤ |          |                |
|          | 40       | _          | Ш                  | _        |          | _              | ┞-              |                |          | _        | <u> </u> | 90       |                                                  | 4_ | $\vdash$ |            |          | $\dashv$ |         | - |                | 140        |                 | _        |           |          |           | _        | +              |
|          | 41       | _          | Щ                  | _        |          | <u> </u>       | <u> </u>        | <b> </b>       |          | _        |          | 91       | $\vdash$                                         | _  | $\sqcup$ | _          | _        | 4        |         | - |                | 141        | -               | _        | _         | _        | _         | _        |                |
| <u></u>  | 42       | <u> </u>   | $\sqcup$           | _        |          | <u> </u>       | <u> </u>        | <del> </del> _ |          | _        | _        | 92       | $\vdash$                                         |    | Н        |            | -        | _        |         | 1 |                | 142        | -               | _        | _         | _        | _         | _        | $\dashv$       |
| <u></u>  | 43       | <u> </u>   | $\vdash$           |          |          | _              | <u> </u>        | ļ              | $\sqcup$ | _        | <b>└</b> | 93       | $\vdash$                                         | 4  | $\sqcup$ | _          | -        | 4        |         | ┨ |                | 143        | $\sqcup$        | _        | _         | _        |           | $\dashv$ | $\dashv$       |
| <u></u>  | 44       | <u> </u>   | $\vdash$           | _        |          |                | _               | $\vdash$       | $\sqcup$ | _        |          | 94       | <del>                                     </del> | -  | $\vdash$ |            | $\dashv$ | _        | +       | 1 |                | 144        | $\vdash$        | _        |           |          | _         | _        | +              |
| <u></u>  | 45       | <u> </u>   | $\sqcup$           |          |          | _              | <u> </u>        |                | $\sqcup$ | _        |          | 95       | _ _                                              | 4- |          |            | _        | _ _      |         | 1 |                | 145        |                 |          | _         | _        | _         | _        | +              |
| <u> </u> | 46       | <u>L</u>   | Ш                  |          | <u> </u> | <u>L</u>       | <u> </u>        | <u> </u>       | $\sqcup$ | _        |          | 96       | $oxed{oxed}$                                     | 4  | Щ        |            | _ -      | 4        | -       | 1 |                | 146        | $\sqcup$        |          | _         |          | _         | _        | $\dashv$       |
|          | 47       | <u> </u>   | Ш                  |          |          | <u> </u>       | <u> </u>        |                | Ш        |          |          | 97       | $\sqcup \!\!\! \perp$                            | 1  | Щ        |            | _        | _ _      |         | - |                | 147        | Ш               |          |           | $\Box$   |           |          | _              |
|          | 48       | <u> </u>   | Ш                  |          |          | L              | <u> </u>        |                | Ш        |          |          | 98       | Щ.                                               | 1  | $\sqcup$ |            | 4        | 4        | _ _     | 1 |                | 148        | $\square$       |          | $\square$ |          | _         |          | _              |
|          | 49       | <u> </u>   | Ш                  |          |          | <u> </u>       | <u> </u>        | <u> </u>       | Ц        | _        | $\vdash$ | 99       | $\sqcup \!\!\! \perp$                            | 1_ | Ш        | _          | _        | _        | $\perp$ | 1 | <u> </u>       | 149        | $\sqcup$        |          |           | $\Box$   |           | _        | 4              |
| L        | 50       | <u>L</u>   |                    |          |          |                |                 |                |          |          | L_       | 100      | Ll.                                              | 1_ |          |            |          | - 1      |         | 1 | 1              | 150        |                 |          |           |          |           | ļ        | $\perp$        |